

COMPUTER ENGINEERING

Sample Four-Year Schedule

Required prerequisite(s) indicated in parentheses & notes

Must earn at least a grade of "C" in each course except for most University Core COURSES.

FRESHMAN YEAR

FALL

MATH 1710, Calculus I (see note 1)	4
CHEM 1410 or 1415, Chemistry (see note 2)	3
CHEM 1430 or 1435, Chemistry Lab (see note 2)	1
CSCE 1030, Computer Science I (see note 3)	4
Communication Core course	<u>3</u>
Total Hours	15

SPRING

MATH 1720, Calculus II (MATH 1710)	3
PHYS 1710, Mechanics (MATH 1710)	3
PHYS 1730, Mechanics Lab (MATH 1710)	1
CSCE 1040, Comp. Science II (CSCE 1030, MATH 1710)	3
TECM 2700, Tech. Writing (Communication Core)	3
University Core course	<u>3</u>
Total Hours	16

SOPHOMORE YEAR

FALL

MATH 2730, Multivariable Calculus (MATH 1720)	3
PHYS 2220, E. & M. (MATH 1720, PHYS 1710, 1730)	3
PHYS 2240, E. & M. Lab (MATH 1720, PHYS 1710, 1730)	1
CSCE 2100, Foundation of Computing (CSCE 1040)	3
ENGR 2720, Digital Logic	3
ENGR 2730, Digital Logic Lab	<u>1</u>
Total Hours	14

SPRING

MATH 1780, Probability Models (MATH 1710)	3
MATH 2700, Linear Algebra (MATH 1720)	3
CSCE 2110, Found. Data Structures (CSCE 1040)	3
CSCE 2610, Assem. & Org. (co CSCE 2100, ENGR 2720,2730)	3
ENGR 2405, Circuit Analysis (see note 4)	3
ENGR 2415, Circuit Analysis Lab (see note 4)	<u>1</u>
Total Hours	16

JUNIOR YEAR

FALL

EENG 3510, Electronics I (ENGR 2405)	3
CSCE 3010, Signals & Systems (ENGR 2405, MATH 2730)	3
CSCE 3600, Systems Programming (CSCE 2100)	3
CSCE 3730, Reconfigurable Logic (CSCE 2610)	3
University Core course	<u>3</u>
Total Hours	15

SPRING

CSCE 3020, Comm. (CSCE 3010)	3
CSCE 3612, Embed. Sys. Design (ENGR 2720,2730 CSCE 2610)	3
CSCE Specialty Area Elective course (see note 5)	3
Advanced Math or Science Elective	3
University Core course	<u>3</u>
Total Hours	15

SENIOR YEAR

FALL

CSCE 4910, Design I (CSCE 3612, EENG 3510)	3
CSCE Specialty Area Elective course (see note 5)	3
CSCE Specialty Area Elective course (see note 5)	3
University Core course	3
University Core course	<u>3</u>
Total Hours	15

SPRING

CSCE 4915, Design II (CSCE 4910)	3
CSCE 4011, Engineering Ethics (CSCE 3600)	3
University Core course	3
University Core course	3
Advanced Level General Elective (see note 6)	<u>3</u>
Total Hours	15

Notes:

Note 1: MATH 1710 requires one of the following as prerequisite: completion of MATH 1650 with a grade of "C" or higher; or Freshman Math Group Level 3; or approval authorized by score via mathematics testing; or earned credit for a math course at or above the MATH 1710 level.

Note 2: CHEM 1410 & 1430 requires MATH 1100, College Algebra (or higher) as prerequisite. CHEM 1415 & 1435 requires MATH 1650, Pre-Calculus (or higher) as prerequisite.

Note 3: CSCE 1030 requires completion of MATH 1650, Pre-Calculus, or co-enrollment in MATH 1710, Calculus I (or higher) as prerequisite.

Note 4: ENGR 2405 & ENGR 2415 requires completion of MATH 1720 & either completion of or co-enrollment in PHYS 2220 & 2240 as prerequisite.

Note 5: See curriculum page for options. Most specialization courses are offered fall only or spring only. Must meet prerequisite for specialization courses. Graduate Track option available.

Note 6: Advanced level general elective may be needed to reach 42 total advanced hours. Please check with an advisor.

Must earn at least a grade of "C" and a minimum 2.5 GPA in CSCE 1030, CSCE 1040, CSCE 2100, CSCE 2110, & MATH 1710 as foundations to enroll in advanced courses.

This is an unofficial sample schedule. Requirements, prerequisites, etc. may change. Students should meet with an advisor each semester for individual scheduling, program decisions, etc. Engineering admissions requirements must be met & a degree audit must be created in order to progress in the program to a timely graduation.